

ROCK-PAPER-SCISSORS

# Science at home

A candle can teach you a thing or two about motion.  
And a bowl of sand, about displacement. Here's how!

## Candle see-saw



① Sharpen the base of the candle to expose wick.

② Poke a needle through the middle of the candle.

The candle should be equally balanced on both sides of the needle.

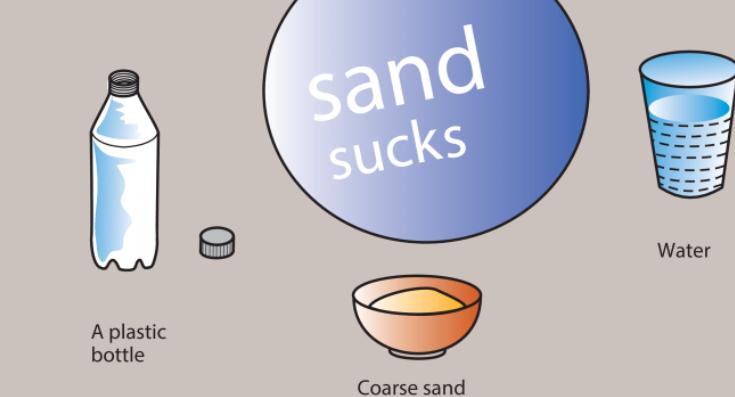
③ Tape long safety pins on two cups to make a stand.

④ Place the ends of needle in the eyes of the pins.

⑤ Light candle at both ends.

As the wax drops from both ends of the candle, its weight will shift and a see-saw motion will set in.

## sand sucks



① Fill 3/4 bottle with sand.

② Add water until the sand is saturated.

Add some more water so that a little floats on top.

③ On pressing the bottle, more water should ooze out from the sand. Instead, the extra water is sucked in!

④ Upturn the pressed bottle. Surprisingly, no water falls!

On pressing, the sand structure breaks creating inner cavities that suck in the extra water